

Fig. 18A

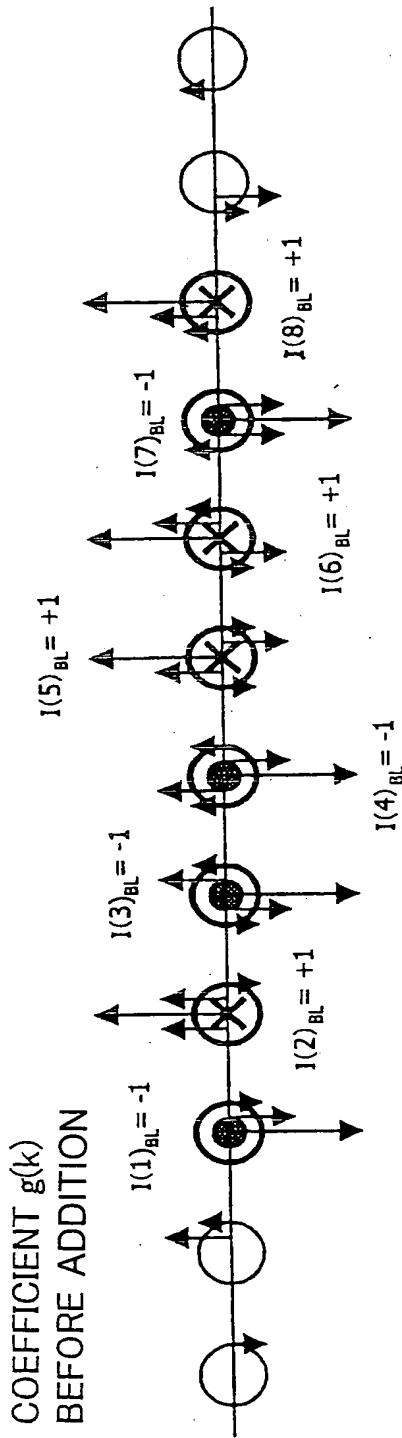
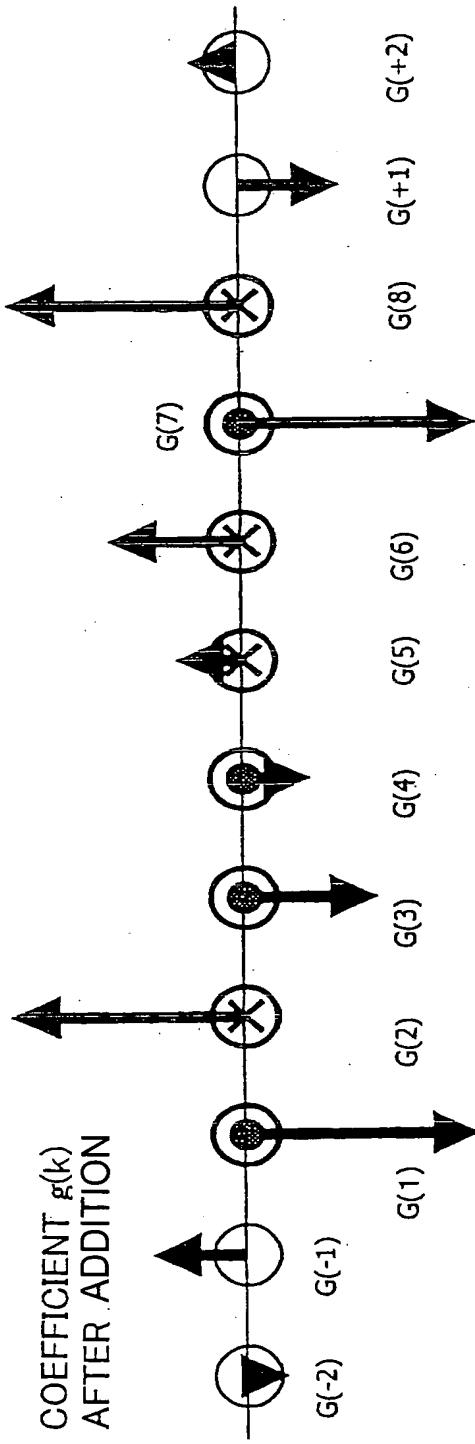


Fig. 18B





REPLACEMENT

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Fig. 21A

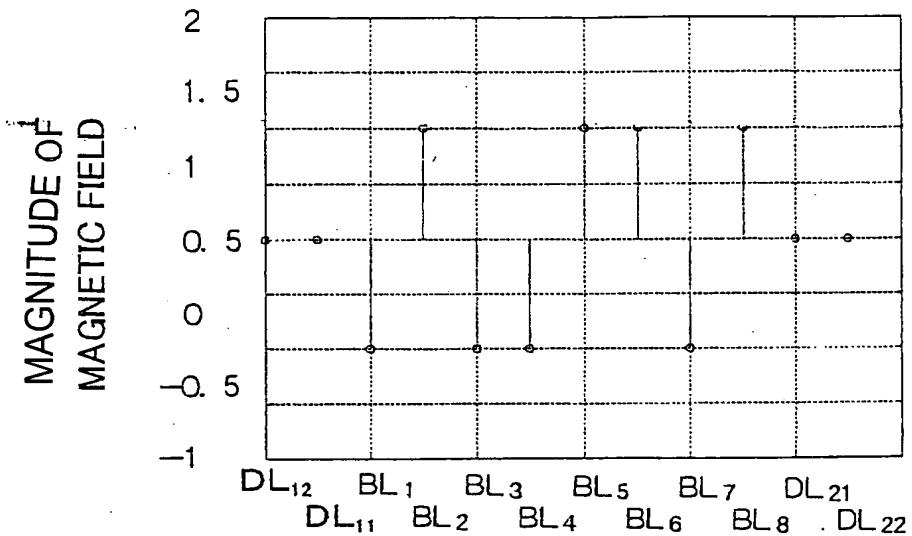


Fig. 21B

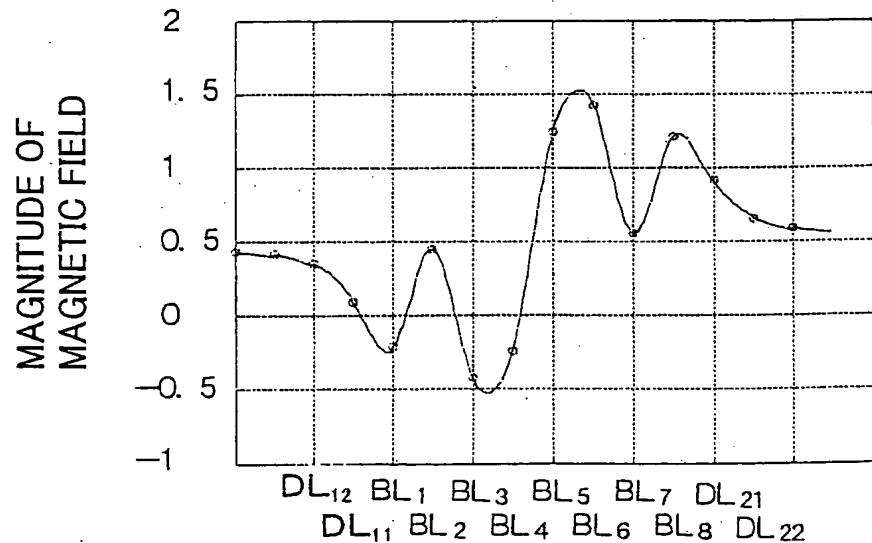
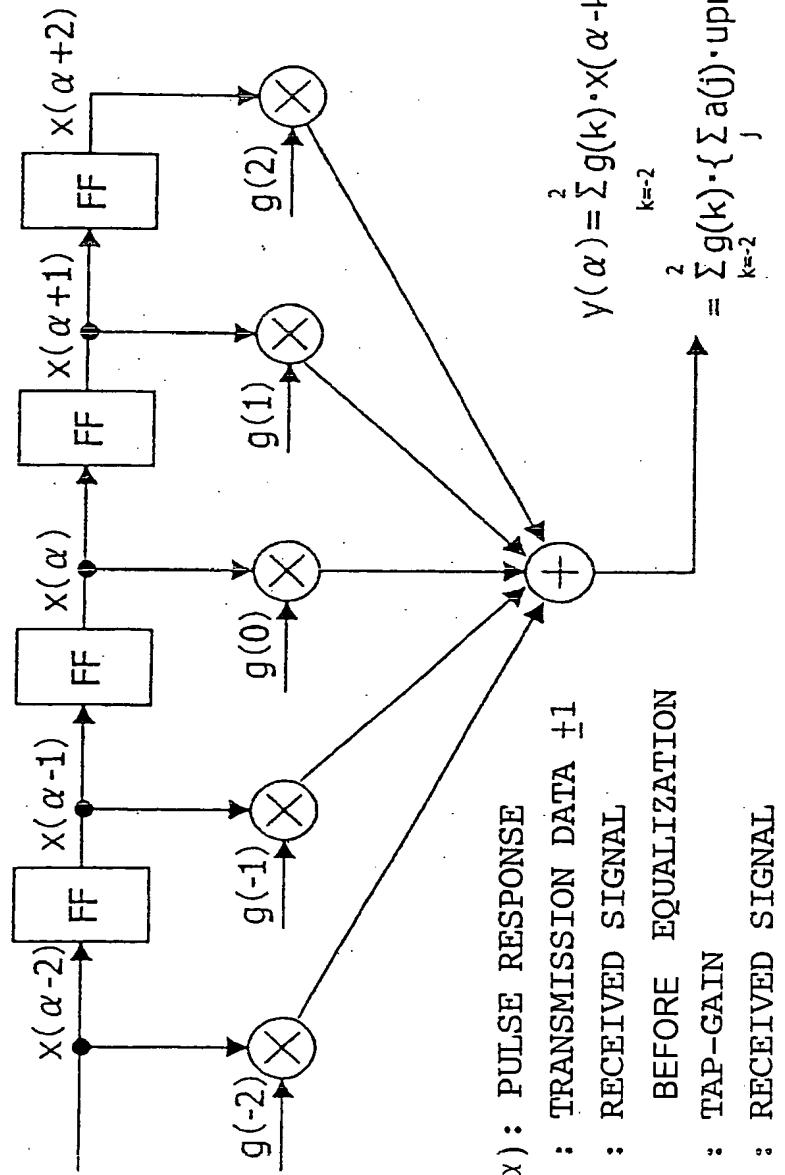


Fig. 42

$$x(\alpha) = \sum_k a(j) \cdot upr(\alpha-k)$$



upr(α) : PULSE RESPONSE

$a(j)$: TRANSMISSION DATA ± 1

$x(\alpha)$: RECEIVED SIGNAL
BEFORE EQUALIZATION

$g(k)$: TAP-GAIN

$y(\alpha)$: RECEIVED SIGNAL
AFTER EQUALIZATION

$$y(\alpha) = \sum_{k=2}^2 g(k) \cdot x(\alpha-k)$$

$$= \sum_{k=2}^2 g(k) \cdot \left\{ \sum_j a(j) \cdot upr(\alpha-k-j) \right\}$$



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Fig. 44

EQUALIZATION FOR
APPROXIMATING TO
NYQUIST's FIRST CRITERION

